Contact Management with Snow Leopard Server, Snow Leopard, and iPhone

Session 605

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Contact Management with Snow Leopard Server, Snow Leopard, and iPhone

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Agenda

- Contacts overview
- Contacts on iPhone 3.0
- Address Book on Mac OS X Snow Leopard
- Address Book Server

Personal Contacts

- Your very own pool of people you care about and communicate with
  - Family, friends, …
- On your Mac, on your iPhone
- Synced device to device and device to service
  - Mac OS X and iPhone
  - Windows and iPhone
  - MobileMe, Google, Yahoo!, …

Work Contacts

- Company directory
- Private business contacts
- Contacts stored on server

Using Contacts

- Search
- Mail
- Chat
- Schedule
- Map
- Call
- Share

Apple Solutions

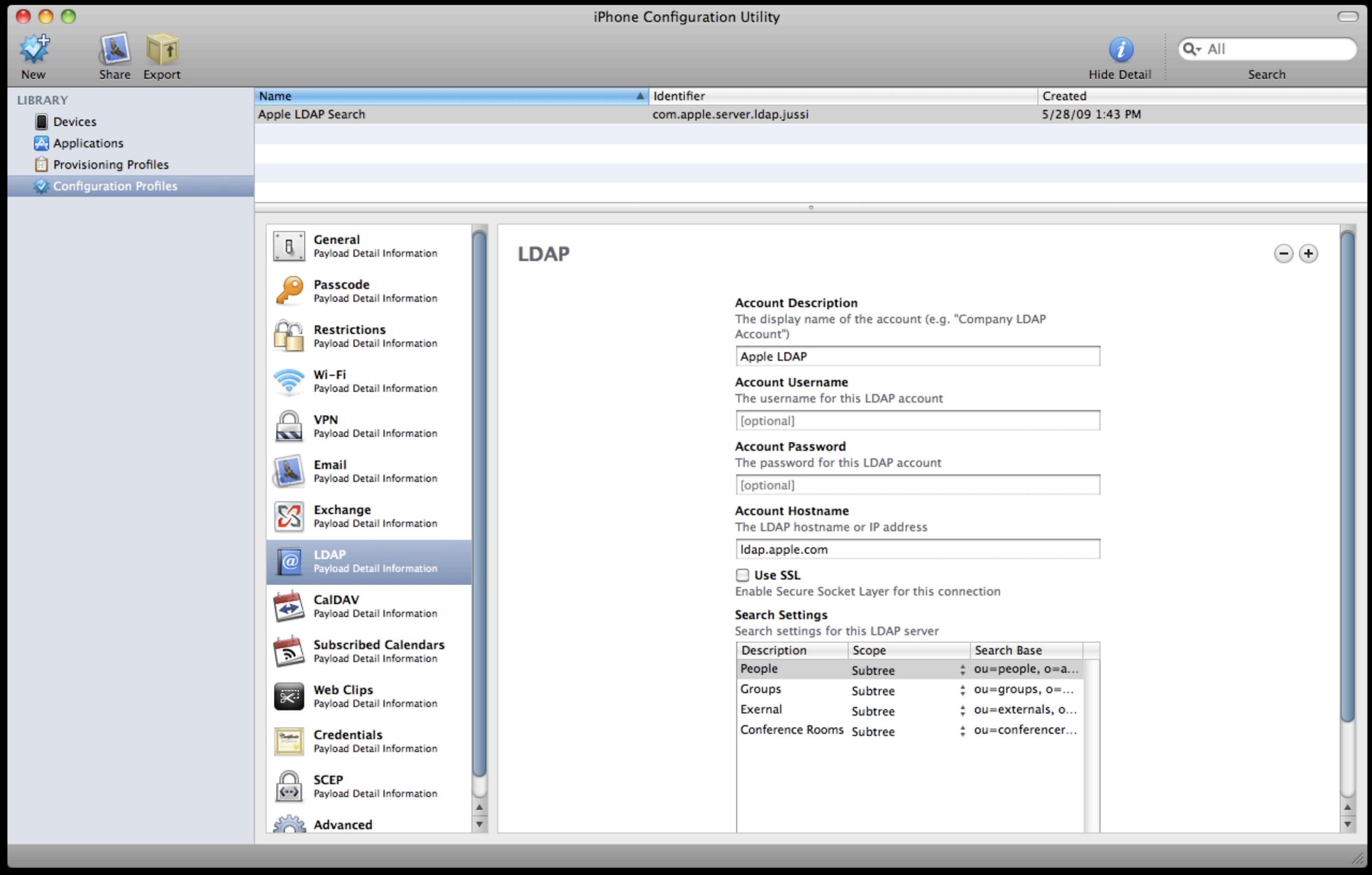
New in 10.6

Apple Solutions

iPhone Contacts

- Personal and work contacts
  - Desktop sync
  - Exchange ActiveSync
- LDAP search

Configure with iPhone Configuration Utility



Demo

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LDAP and Exchange Requirements

- iPhone 2.0; 3.0 for LDAP
- LDAP server
- Exchange ActiveSync for Exchange Server 2003 Service Pack 2
- Exchange ActiveSync for Exchange Server 2007
  - Exchange 2007 policies and features require Service Pack 1

Apple Solutions

Apple Solutions

New in 10.6

Address Book Contacts

- Personal
  - Syncing with MobileMe, Google, Yahoo!
  - Syncs with your mobile devices
- Work contacts
  - LDAP
  - Directory services
    - Open Directory
    - Active Directory
  - Exchange

Demo

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Exchange Requirements

- Mac OS X 10.6 Snow Leopard
- Update Rollup 4 for Exchange Server 2007 Service Pack 1

Apple Solutions

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Apple Solutions

Server Contacts

- Multiple devices remain up to date
- Multiple applications connect using one account
  - Mail
  - Chat
  - Calendar
- Additional server-enabled features

Message Transport

RFC 2821 SMTP

RFC 2060 IMAP

Calendaring

RFC 4791 CalDAV

Instant Messaging

RFC 3920 XMPP Core

RFC 3921 XMPP IM

Contacts

IETF Card DAV

+

=

WebDAV

iCalendar

CalDAV

iCalendar

WebDAV **vCard** **CardDAV**

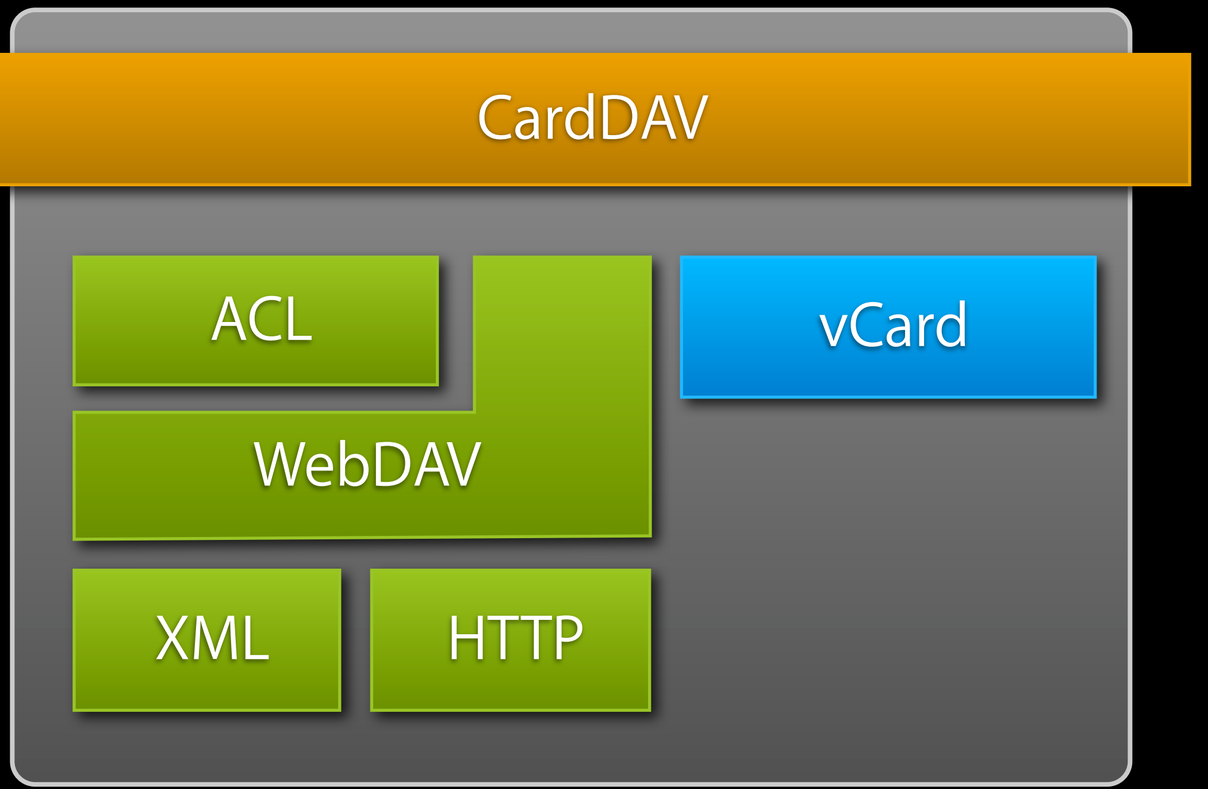
vCard (RFC 2426)

- Ubiquitous standard for storing and exchanging contact information
- Essentially a key/value property list
- In CardDAV address book collections, each vCard must have a unique UID

```
BEGIN:VCARD
VERSION:3.0
FN:Cyrus Daboo
N:Daboo;Cyrus
ADR;TYPE=POSTAL:;2822 Email HQ;Suite 2821;RFCVille;PA;15213;USA
EMAIL;TYPE=INTERNET,PREF:cyrus@example.com
NICKNAME:me
NOTE:Example vCard.
ORG:Standards Steering Committees
TEL;TYPE=WORK,VOICE:412 605 0499
TEL;TYPE=FAX:412 605 0705
URL:http://www.example.com
UID:2C0BA00C-6A22-46B3-9337-7B737B3671B9
END:VCARD
```

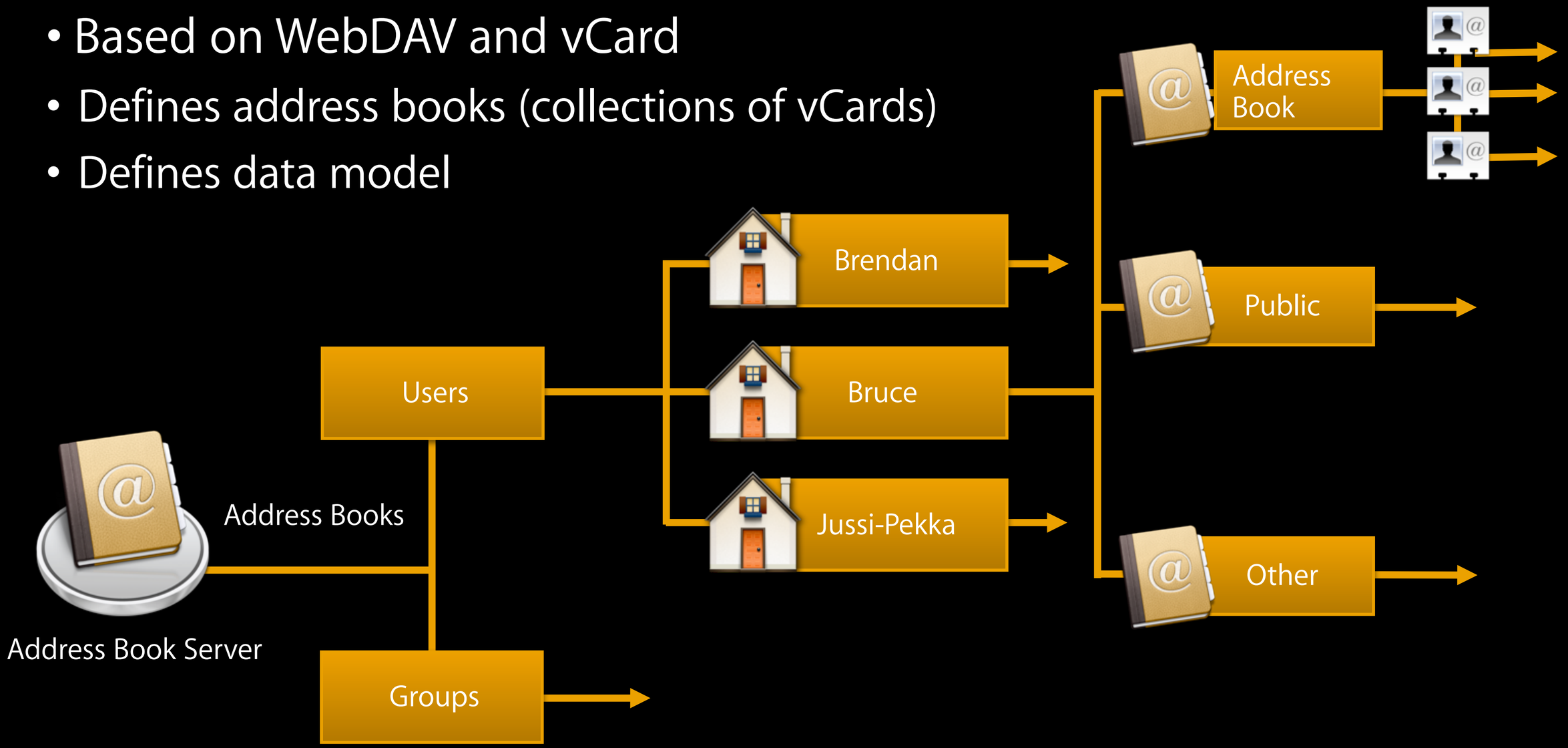
CardDAV

- Based on WebDAV and vCard
- Defines address books (collections of vCards)



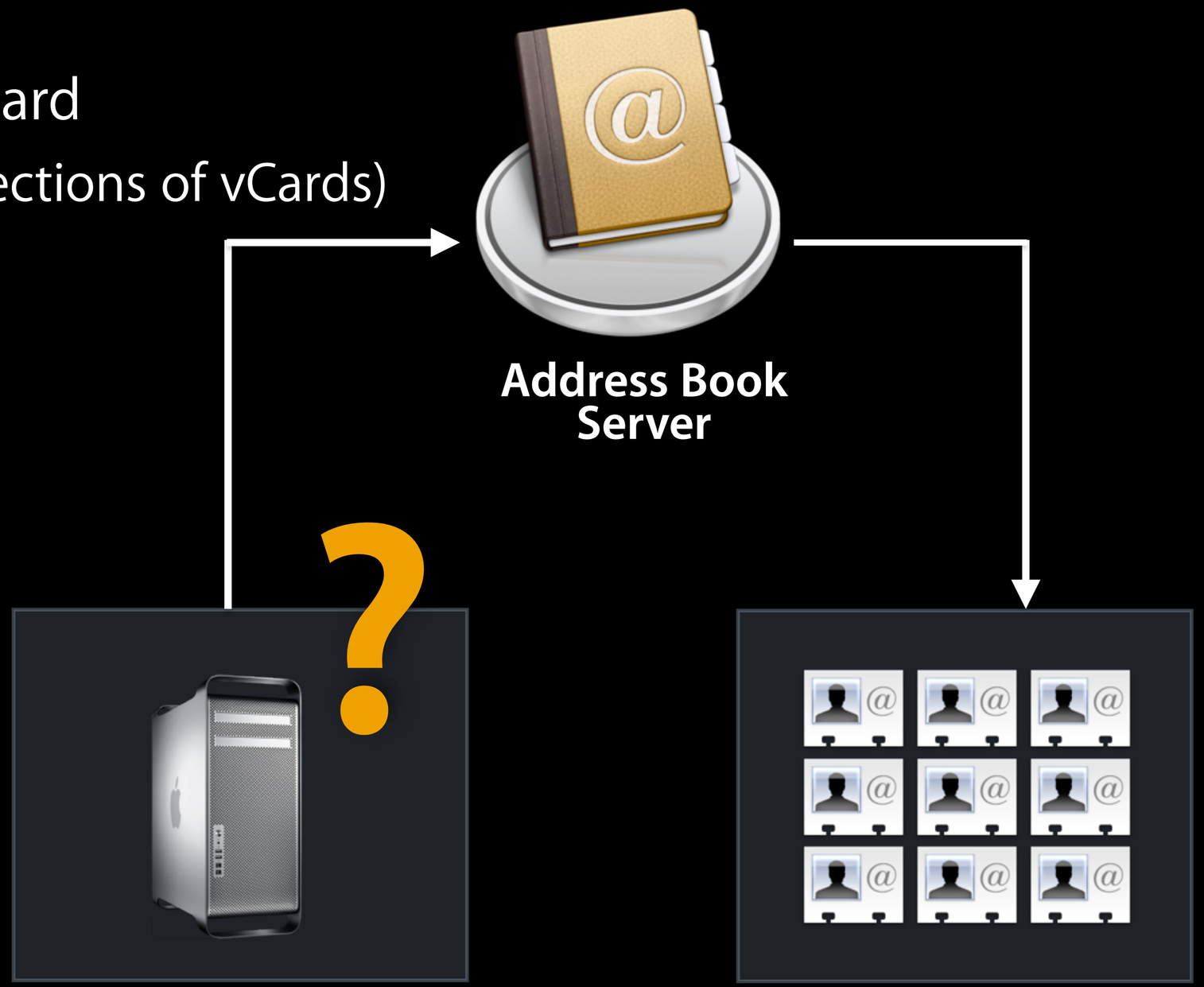
CardDAV

- Based on WebDAV and vCard
- Defines address books (collections of vCards)
- Defines data model



CardDAV

- Based on WebDAV and vCard
- Defines address books (collections of vCards)
- Defines data model
- Defines reports



vCard Extensions to WebDAV (CardDAV)

draft-ietf-vcarddav-carddav-04

- IETF draft on standards track
- CardDAV depends on
  - vCard (RFC 2426)
  - HTTP, ETags (RFC 2616)
  - WebDAV Class 3 (RFC 4918)
  - WebDAV ACL (RFC 3744)
  - SSL/TLS (RFC 2818, RFC 2246)
  - WebDAV Versioning (RFC 3253)
- MKCOL extension
  - draft-ietf-vcarddav-webdav-mkcol-06

Demo

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Application Support

Address Book Server Administration

- Server preferences
- Server admin
- `serveradmin(8)` command-line interface
- https://localhost:311 web interface

Demo

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Apple Solutions

New in 10.6

More Information

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Internet and Server Technologies Evangelist
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Documentation
iPhone Dev Center
http://developer.apple.com/iphone

Apple Training and Certification
http://training.apple.com

Related Sessions

iPhone Configuration Creation and Deployment	Pacific Heights Thursday 3:30PM
Deploying Mobile Access Server	Russian Hill Wednesday 2:00 PM
Calendaring Solutions in Snow Leopard Server, Snow Leopard, and iPhone	Mission Tuesday 2:00 PM

Labs

Calendar and Contacts Lab	IT Lab Tuesday 3:30 PM
Address Book for iPhone Lab	iPhone Lab A Wednesday 9:00 AM

Q&A

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